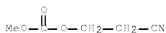


| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|----------|
| JP 2000113906 | A | 20000421 | JP 1998-282341 | 19981005 |
| PRIORITY APPLN. INFO.: | | | JP 1998-282341 | 19981005 |

OTHER SOURCE(S): MARPAT 132:267606
 ED Entered STN: 21 Apr 2000
 AB The electrolyte solns. use a solvent containing ≥ 1 of $\text{RCOO}(\text{CH}_2)_a\text{CN}$, where $R = \text{H}$ or C1-3 alkyl or alkoxy group , $a = \text{integer 1-3}$. The electrolyte is a Li salt or a $\text{tetraalkyl quaternary ammonium or phosphonium salt}$.
 IT 260362-83-2
 (electrolyte solns. containing carboxylic acid nitrile esters for batteries and elec. capacitors)
 RN 260362-83-2 HCAPLUS
 CN Carbonic acid, 2-cyanoethyl methyl ester (CA INDEX NAME)



IC ICM H01M010-40
 ICS C07C255-14; H01G009-038; H01G009-035; H01M006-16
 CC 52-2 (Electrochemical, Radiational, and Thermal Energy Technology)
 IT 5325-93-9, 2-Cyanoethyl acetate 20597-73-3, 2-Cyanoethyl propionate 21324-40-3, Lithium hexafluorophosphate 154119-71-8
 260362-83-2
 (electrolyte solns. containing carboxylic acid nitrile esters for batteries and elec. capacitors)

L41 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2000:166259 HCAPLUS [Full-text](#)
 DOCUMENT NUMBER: 132:210209
 TITLE: Secondary nonaqueous-electrolyte batteries with electrolytes containing cyanoethoxy compounds
 INVENTOR(S): Kobayashi, Aya; Izuchi, Shuichi
 PATENT ASSIGNEE(S): Yuasa Battery Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------------|------|----------|-----------------|----------|
| JP 2000077096 | A | 20000314 | JP 1998-244674 | 19980831 |
| PRIORITY APPLN. INFO.: | | | JP 1998-244674 | 19980831 |

OTHER SOURCE(S): MARPAT 132:210209
 ED Entered STN: 14 Mar 2000
 AB Claimed batteries are equipped with electrolytes containing cyanoethoxy compds. $\text{R}(\text{OC}_2\text{H}_4\text{CN})_n$ ($n = 1-4$; $R = \text{CmH}_2\text{m}+2-n$, $\text{CmH}_2\text{m}+2-n(\text{OC}_2\text{H}_4)_p$, $\text{CmH}_2\text{m}+2-n\text{CO}$, or $\text{CmH}_2\text{m}+2-n\text{OCO}$; $m = 1-3$; $p = 1-4$) as nonaq. solvents for Li salts . Optionally, the batteries are equipped with gelled polymer electrolytes. The batteries have long cycle life at low temperature
 IT 260362-83-2
 (solvents; nonaq. batteries with electrolytes containing cyanoethoxy